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CLAIMS

1. Electric kettle including a power supply base (1) comprising electrical connection means (3) suitable for being connected to an external electrical source, and a manual control button (11) movable between a resting position and an activation position, and a receptacle (2), removable from the power supply base (1), comprising a container (4) suitable for containing a liquid to be heated, an electrical heating device (5) suitable for heating the liquid in the container (4), and complementary electrical connection means (8) which are suitable, when the receptacle (2) is placed on the power supply base (1), for cooperating with the electrical connection means (3) and supplying electrical power to the heating device (5), characterized in that the receptacle (2) includes control means (9) suitable for cutting the electrical power supply to the electrical heating device (5) and which include a switch that is movable between an open position and a closed position, wherein the kettle includes transmission means (12) suitable, when the receptacle (2) is placed on the base (1), for shifting the switch from its open position to its closed position when the manual control button (11) is shifted from its resting position to its activation position.

2. Electric kettle according to claim 1, characterized in that, when the electrical connection means (3) of the power supply base (1) and the complementary electrical connection means (8) of the receptacle (2) are in contact, the transmission means (12) are suitable for shifting the

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switch into the closed position when the manual control button (11) is shifted to the activation position.

3. Kettle according to claim 1 or 2, characterized in that the transmission means (12) include transmission elements (13) housed in the power supply base (1), movable between a resting position and an activation position in which the manual control button (11) is in the activation position, and complementary transmission elements (14) housed in the receptacle (2), movable between a resting position and an activation position in which the transmission elements (13) are in the activation position and the switch is in the closed position, with the receptacle (2) being connected to the power supply base (1).

4. Kettle according to claim 3, characterized in that the transmission elements (13) include a lever (15) pivotably mounted with respect to the power supply base (1), of which a first end (21) is attached to the manual control button (11), and the second end (22) is suitable for driving the complementary transmission elements (14) towards their activation position.

5. Kettle according to claim 4, characterized in that the transmission elements (13) include at least one plunger (16) attached to the second end (22) of the lever (15), slidably mounted in the power supply base (1), and suitable for passing through at least one opening (25) provided in a receiving wall (26) of the power supply base (1) on which the receptacle (2) is resting, for coming into contact with the complementary transmission

elements (14) and for driving them into their activation position when the manual control button (11) is in the activation position.

6. Kettle according to one of claims 3 to 5, characterized in that the complementary transmission elements (14) include at least one sliding element (17) slidably mounted in the receptacle (2) and suitable for passing through at least one orifice (32) provided in the base wall (28) of the receptacle (2) and for coming into contact with the transmission elements (13) and for driving the switch towards its closed position when the manual control button (11) is in the activation position.

7. Kettle according to claim 6, characterized in that a pivoting arm (18) is mounted integrally with the switch and is suitable for coming into contact with all of the sliding elements (17).

8. Kettle according to claim 6 or 7, characterized in that the base wall (28) of the receptacle (2) includes an annular shoulder (29) projecting from the receptacle (2) and suitable for resting on the power supply base (1), and a central recess (30) in which all of the orifices are provided (32).

9. Kettle according to one of claims 1 to 8, characterized in that the manual control button (11) is constantly urged towards its resting position by a spring (24).

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10. Kettle according to one of claims 1 to 9, characterized in that the switch is bistable.

11. Kettle according to one of claims 1 to 10, characterized in that the transmission means (12) are designed so as to shift the switch into closed position when the manual control button (11) is in the activation position, regardless of the angular position of the receptacle (2) on the power supply base (1).

12. Kettle according to claim 11, characterized in that the transmission means (12) are cylindrically symmetrical and coaxial to the electrical connection means (3) and to the complementary electrical connection means (8).

13. Kettle according to claims 4, 6 and 12, characterized in that the transmission means (12) are radially arranged outside the electrical connection means (3) and the complementary electrical connection means (8), wherein all of the arc-shaped openings (25) and orifices (32) are radially and angularly distributed so that, regardless of the angular position of the receptacle (2), at least one angular cross-section portion of an opening (25) faces an orifice (32).

14. Kettle according to claim 13, characterized in that the plunger (16) has a general hollow cylinder shape suitable for sliding around the electrical connection means (3), and of which the side walls (27) have an upper end suitable for passing through all of the openings (25).

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15. Kettle according to claim 14, characterized in that the power supply base (1) includes two openings (25) separated from one another by around 60°, and each extend according to an angular sector close to 120°.

16. Kettle according to one of claims 13 to 15, characterized in that the upper portion of each sliding element (17) includes a collar (33) suitable for abutting the upper end of the guide (31) in which the sliding element (17) slides, so as to determine the resting position of said sliding element (17).

17. Kettle according to claims 15 and 16, characterized in that the two sliding elements (17) are separated from one another by an angle of about 90°.

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